

Claims

1. A method for recognising a selection from a set of at least two alternatives, the method comprising:

determining the positions corresponding to each alternative in the space surrounding a user on the basis of their distance and direction with respect to the user so that the locations of the positions remain substantially the same with respect to the user irrespective of the location of the user;

allowing the user to carry out a first movement for moving a member of the body to a position corresponding to an alternative the user desires;

recognising a second movement carried out by the user in the position corresponding to the alternative the user desires;

in response to the second movement, recognising the selection the user desires as completed; and

providing the recognised selection as an output.

2. A method according to claim 1, further comprising

displaying the user at least once the positions corresponding to the alternatives as one of the following: virtual images and a selection disc at the level of the user's waist.

3. A method according to claim 1, further comprising

demonstrating the user the alternative indicated at any given time.

4. A method according to claim 1, further comprising

recognising the second movement contactlessly.

5. A method according to claim 1, wherein the first movement is the movement of the user's hand.

6. A method according to claim 1, further comprising

carrying out a certain first function in response to the output.

7. A method according to claim 1, further comprising
allowing the user to carry out a certain second activity with a specific third
movement of the member of the body.

5 8. An electronic device for recognising a selection from a set of at least two
alternatives, the device comprising:

means for determining positions surrounding the user that correspond to
each alternative on the basis of their distance and direction with respect to the
user so that the locations of the positions remain substantially the same with
10 respect to the user irrespective of the location of the user;

means for allowing the user to move a member of the body to a position
corresponding to an alternative the user desires;

means for recognising a second movement carried out by the user in the
position;

15 means for recognising the carrying out of the selection the user desires in
response to the second movement; and

an output for outputting the recognised selection.

9. A device according to claim 9, wherein

20 the device further comprises display means for displaying the positions
corresponding to the alternatives to the user, the positions corresponding to
the alternatives as one of the following:

a virtual image and as a selection disc at the level of the user's waist.

25 10. A device according to claim 9, wherein

the device further comprises presentation means for indicating the
alternative indicated at any given time to the user.

11. A device according to claim 9, wherein

30 the means for recognising the second movement carried out by the user in
the position are adapted to recognise the second movement contactlessly.

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12. A device according to claim 9, wherein
the first movement is the movement of the user's hand.

13. A device according to claim 9, wherein
the device further comprises means for carrying out a certain first function
in response to the second movement.

14. A device according to claim 9, wherein
the device further comprises means for carrying out a specific second
function in response to the third movement.

15. A device according to claim 9, wherein
the means for recognising the second movement carried out by the user
in the position are adapted to be attached to the user.

16. A device according to claim 9, wherein
the device comprises at least one of the following: a mobile station, a
computer, a television apparatus, a data network browsing device, an
electronic book, and an at least partly electronically controlled vehicle.